



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 85 98 01

Classification of the application (IPC):

F02D 29/02, F02D 17/00, B66C 23/40, B66C 23/42, B66C 23/78, F02N 11/08, F02D 17/04

Technical fields searched (IPC):

F02P, F02N, B66C, E02F, F02D

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	GB 2425368 A (KOMATSU MFG CO LTD [JP]) 25 October 2006 (2006-10-25) * pages 19-21 * * abstract * * figures *	1, 2, 6 3-5, 7
Y A	EP 2774888 A1 (TADANO LTD [JP]) 10 September 2014 (2014-09-10) * paragraphs [0024] - [0029] * * abstract * * figures *	3-5, 7 1
A	JP 2010127098 A (KOBELCO CRANES CO LTD) 10 June 2010 (2010-06-10) * abstract * * figures *	1
A	JP 2002332194 A (TADANO LTD) 22 November 2002 (2002-11-22) * abstract * * figures *	1

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 09 May 2019	Examiner Colletti, Roberta
------------------------------	---	-------------------------------

CATEGORY OF CITED DOCUMENTS

- | | |
|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
| &: member of the same patent family, corresponding document | L: document cited for other reasons |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 85 98 01

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 09-05-2019
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2425368 A	25-10-2006	GB 2425368 A	25-10-2006
		JP 4271685 B2	03-06-2009
		JP WO2005064170 A1	20-12-2007
		KR 20060105032 A	09-10-2006
		WO 2005064170 A1	14-07-2005
EP 2774888 A1	10-09-2014	CA 2844217 A1	06-09-2014
		CN 104030161 A	10-09-2014
		EP 2774888 A1	10-09-2014
		JP 2014173244 A	22-09-2014
		US 2014258908 A1	11-09-2014
JP 2010127098 A	10-06-2010	JP 4862881 B2	25-01-2012
		JP 2010127098 A	10-06-2010
JP 2002332194 A	22-11-2002	JP 4865956 B2	01-02-2012
		JP 2002332194 A	22-11-2002